

Title (en)
POWER BATTERY TOP CAP STRUCTURE

Title (de)
BATTERIEOBERKAPPENSTRUKTUR

Title (fr)
STRUCTURE DE COUVERCLE DE BATTERIE ÉLECTRIQUE

Publication
EP 3361527 A1 20180815 (EN)

Application
EP 18275014 A 20180205

Priority
• CN 201710077236 A 20170214
• US 201815881089 A 20180126

Abstract (en)
A top cap structure for a power battery is provided. The power battery top cap structure includes a first and second electrode assemblies, and a top cap piece. The first electrode assembly includes a first electrode column having an upper and lower sections, a first seal member and a first connection block. The upper section and the first connection block are formed from a first base metal. The lower section is formed from a second base metal different from the first base metal. The upper section includes a step portion, and the lower section is joined with a bottom surface of the upper section below the top cap piece. The first seal member includes a horizontal extending portion. The horizontal extending portion is disposed between a lower surface of the top cap piece and the step portion. The top portion of the upper section connects with the first connection block.

IPC 8 full level
H01M 50/176 (2021.01); **H01M 50/55** (2021.01); **H01M 50/553** (2021.01); **H01M 50/562** (2021.01); **H01M 50/566** (2021.01);
H01M 50/567 (2021.01)

CPC (source: EP US)
H01M 50/176 (2021.01 - EP US); **H01M 50/55** (2021.01 - EP US); **H01M 50/553** (2021.01 - EP US); **H01M 50/562** (2021.01 - EP US);
H01M 50/566 (2021.01 - EP US); **H01M 50/567** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP)

Citation (search report)
• [I] CN 105845851 A 20160810 - CONTEMPORARY AMPEREX TECHNOLOGY CO LTD
• [I] US 2012183818 A1 20120719 - BYUN SANGWON [KR], et al
• [I] US 2015079446 A1 20150319 - BYUN SANG-WON [KR], et al

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CN112259926A; CN109509848A; CN113690494A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
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